

## 5.13 COASTAL ZONE MANAGEMENT/BARRIER PROGRAMS

### 5.13.1 Background

The Coastal Zone Management (CZM) Act of 1972, as amended, provides for preservation, protection, development, and where feasible, restoration or enhancement of the resources of the nation's coastal zones. In April of 2002, Indiana submitted its Lake Michigan Coastal Program (LMCP) to the Office of Ocean and Coastal Resource Management of the National Oceanic and Atmospheric Administration (NOAA) for approval pursuant to section 306 of the CZM Act. The proposed boundary, established based on public participation, encompasses the majority of the area that drains into Indiana's portion of Lake Michigan through its rivers, streams, ditches, wetlands, lakes and groundwater<sup>1</sup>. Gary/Chicago International Airport is within the proposed coastal program boundary (see **Exhibit 5.13-1**). NOAA approved the LMCP on August 5, 2002<sup>2</sup>.

No officially designated or proposed coastal barriers exist in the vicinity of the study area as per the *Coastal Barriers Resources Act of 1982*<sup>3</sup>.

### 5.13.2 Methodology

The purpose of the LMCP is to support coordination and partnerships among local, state and Federal agencies and local organizations to preserve, protect, restore, and where possible, develop coastal resources in Indiana's Lake Michigan watershed. The LMCP is based on Indiana's existing laws, and does not create any new laws or bureaucracy<sup>4</sup>. Management of Lake Michigan coastal resources in Indiana is accomplished through several mechanisms by multiple entities. A listing of the relevant state constitutional provisions, laws and judicial decisions that apply to the land and water uses has been identified as a part of the Indiana LMCP. In addition, the agencies that administer the applicable

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<sup>1</sup> National Oceanic and Atmospheric Administration (NOAA) and Indiana Department of Natural Resources. *Combined Coastal Program Document and Final Environmental Impact Statement for the State of Indiana*. April 2002. Internet Web Site. <<http://www.state.in.us/dnr/lakemich/pdf/lmcp-feis.pdf>>.

<sup>2</sup> Rounds, Laurie. 2002. IDNR Lake Michigan Coastal Program Coordinator, personal communication. August 27, 2002.

<sup>3</sup> PL 97-348

<sup>4</sup> Indiana Department of Natural Resources, 2002a. Lake Michigan Coastal Program Fact Sheet. Internet Web Site. <<http://www.state.in.us/dnr/lakemich/pdf/whatisfactsheet.pdf>>.



laws and guidance documents have been identified as a part of the *Indiana Lake Michigan Coastal Program Environmental Impact Statement*, dated April 2002. The various subject matters of the relevant laws and provisions have been grouped into ten topics:

- Procedural Framework
- Coastal Hazards
- Water Quality
- Water Quantity
- Natural Areas, Fisheries, Wildlife, and Native and Exotic Species
- Recreation, Access, and Cultural Resources
- Economic Development
- Pollution Prevention, Recycling, Reuse, and Waste Management
- Air Quality
- Property Rights

A matrix was developed for each subject area to clearly identify the existing state statutes or regulations which are administered locally according to criteria or standards established by state law, or directly by the State through a network of agencies (included in **Appendix C**). The mechanisms that contribute toward the effective management of Indiana's coastal resources when combined with the laws, such as guidance documents, programs and funding opportunities in each of these subject areas, have also been identified.

The methodology for reviewing the Proposed Action with the requirements of the LMCP has been to cross-reference the laws and guidance documents identified in the 10 summary matrices with the various sections of Chapter 5, Environmental Consequences, to verify that all applicable regulations have been reviewed and considered. Accordingly, rather than repeat the findings in this section, the following sections of this document should be referred to in regard to the applicable regulatory reviews:

- Procedural Framework – not applicable
- Coastal Hazards – not applicable
- Water Quality – Section 5.6, Water Quality
- Water Quantity – not applicable
- Natural Areas, Fisheries, Wildlife, and Native and Exotic Species – Sections 5.9, Biotic Species and 5.10, Endangered Species
- Recreation, Access, and Cultural Resources – Sections 5.7, 303 c lands and 5.8, Historic Resources
- Economic Development – Section 5.3, Direct Socioeconomic Impacts

- Pollution Prevention, Recycling, Reuse, and Waste Management – Section 5.18, Solid Waste and 5.19 Hazardous Materials
- Air Quality – Section 5.5, Air Quality
- Property Rights – Section 5.3, Direct Socioeconomic Impacts

The appropriate matrix has been referenced in each of these sections, and a summary is included of the applicable regulations that were reviewed to assure that the Proposed Action will meet all existing Federal, state and local laws.

### **5.13.3 Existing Conditions – 2000**

The Indiana LMCP must identify the uses of the coastal area included in the coastal program and identify how these uses are managed. There are diverse uses of Indiana's shoreline, and seven categories were identified for Indiana's coastal resources:

- Industrial uses--manufacturing plants, energy conversion facilities, storage facilities, and ports and navigation channels.
- Residential and commercial uses--privately owned residences, shopping centers, and associated roadways and parking facilities, plus commercial fishing.
- Recreational uses--public parks, public and private boating facilities such as marinas and launching ramps, public and private beaches, and sport fishing access sites.
- Public and private natural areas and areas of special ecological sensitivity or significance--nature preserves, public parks, areas on private lands that are managed for preservation, and land that has been purchased to preserve natural features.
- Public infrastructure--water treatment plants, sewage treatment systems, and transportation facilities.
- Erosion and flood control measures--public and private.
- Cultural resources--historic and archaeologically significant sights<sup>5</sup>

The existing Gary/Chicago International Airport is one of the transportation facilities located in the coastal area.

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5 Botts, Lee. Current Uses of Indiana's Coastal Resources: Final Report for the Indiana Coastal Coordination Program, December 1995.

#### **5.13.4 Future Conditions – 2007**

##### **5.13.4.1 No Action**

Under the scenario where no action is taken, the Gary/Chicago International Airport will continue to operate in its present configuration within the coastal area.

##### **5.13.4.2 Future Build Condition**

The Indiana LMCP is based upon existing state provisions, laws and judicial decisions that apply to the land and water uses identified by the program. The Proposed Actions have been reviewed in accordance with the environmental consequences categories identified in FAA Order 5050.4, *Airport Environmental Handbook*. The provisions governing the LMCP have been cross-referenced with the regulations reviewed in this Environmental Impact Statement to verify that all applicable requirements have been considered. Rather than repeat this review in this section, the applicable sections in this chapter should be reviewed.

#### **5.13.5 Summary of Findings**

Based upon the cross-referencing of the summary matrices included in the *Indiana Lake Michigan Coastal Program and Final Environmental Impact Statement*, all existing regulations guiding the Indiana LMCP have been reviewed and will be followed when implementing the Proposed Action. This report will be submitted for review and concurrence to the Indiana Department of Natural Resources, Coastal Zone office.

#### **5.13.6 Mitigation**

No special mitigation measures are required under the provisions of the Coastal Zone Management Act.

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